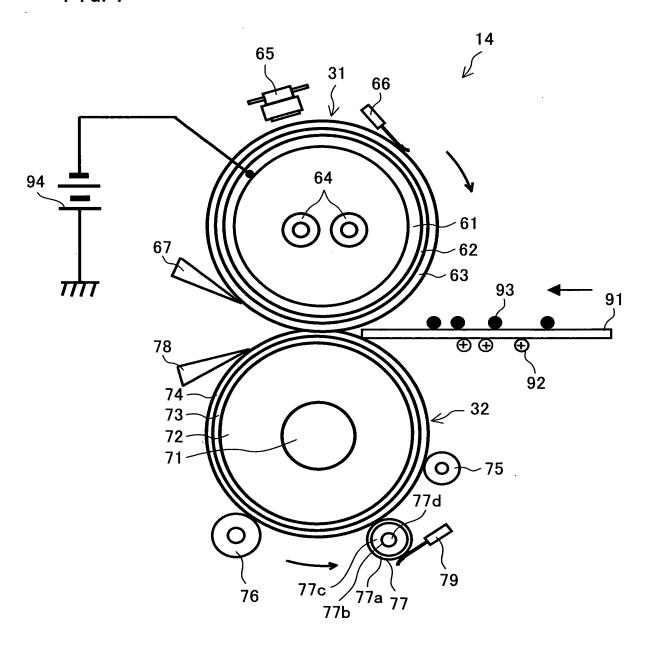
App No.: NEW Docket No.: 1248-0862PUS1

Inventor: Tetsunori MITSUOKA et al.
Title: FIXING METHOD, FIXING DEVICE, AND IMAGE
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FIG. 1

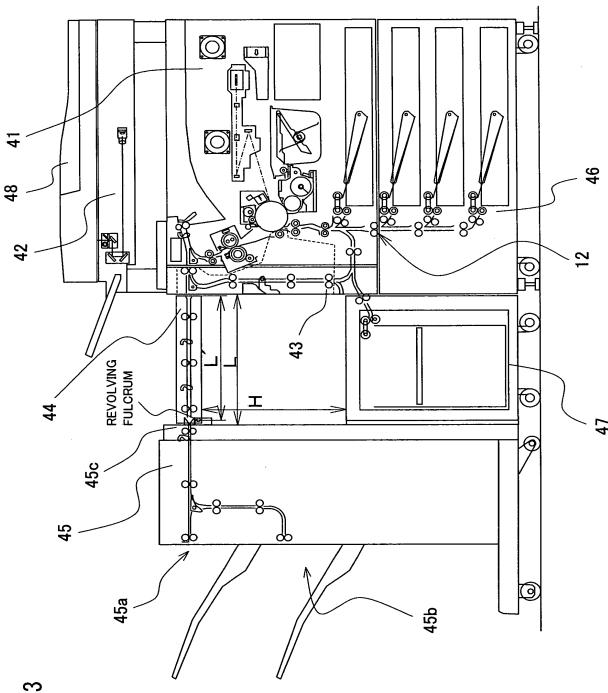


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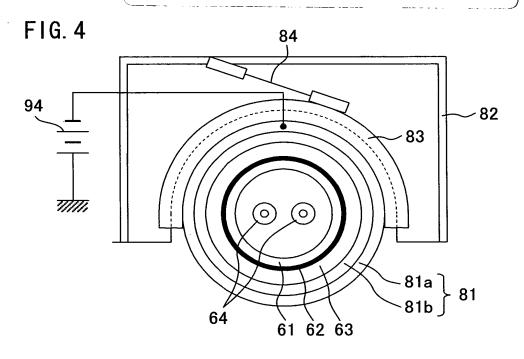
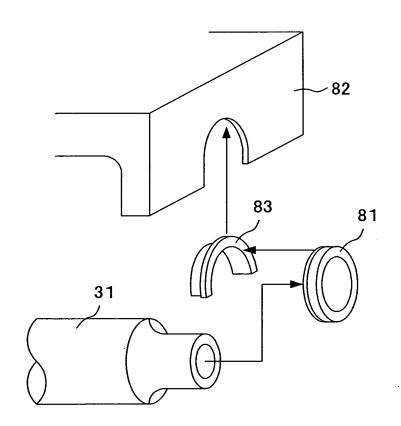


FIG. 5



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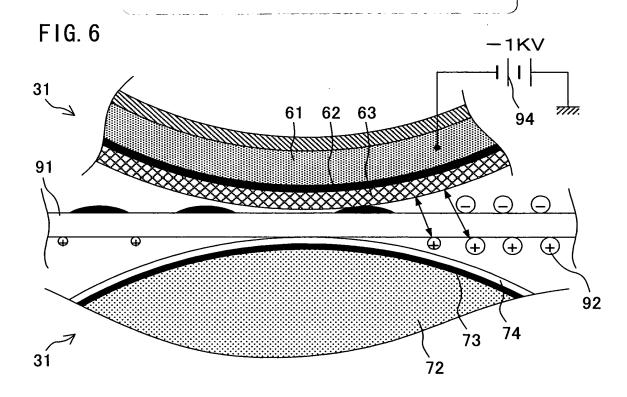


FIG: 7

VOLUME RESISTIVITY (Ω·cm) OF SURFACE INSULATING LAYER OF FIXING ROLLER	VOLUME RESISTIVITY (Ω·cm) OF SURFACE RESISTIVE LAYER OF PRESSURE ROLLER	POLARITY OF REVERSE POLARITY TONER	FIXING BIAS VOLTAGE (V)	DEGREE OF CONTAMINATION (Ο, Δ, ×)
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹² Ω⋅cm	+	-500	Δ
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹² Ω·cm	+	-1000	0
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹² Ω·cm	+	-1500	0
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹² Ω⋅cm	+	-2000	
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹² Ω·cm	+	+500	×
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ⁷ Ω · cm	+	-500	0
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ⁷ Ω ⋅cm	+	-1000	0
$10^{10} \sim 10^{12} \Omega \cdot cm$	10 ¹² Ω·cm	+	-500	×

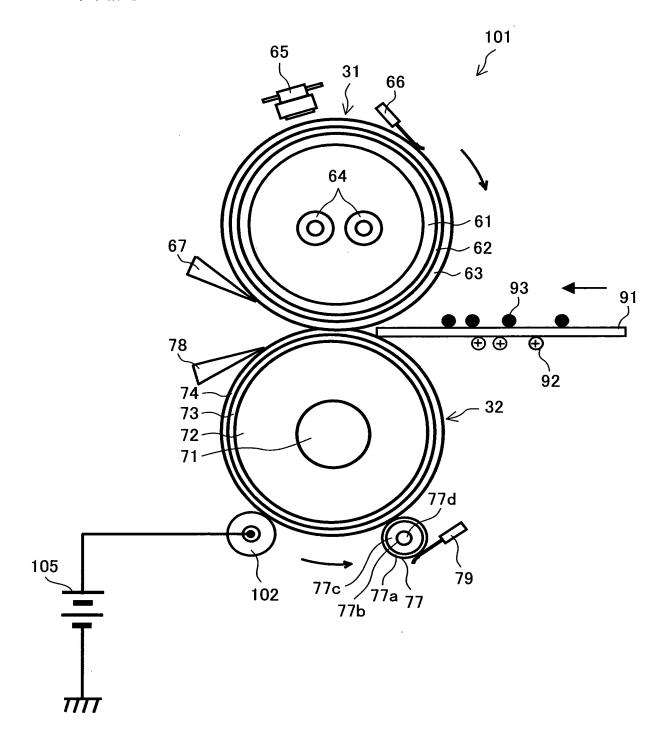
O: SLIGHTLY CONTAMINATED

△: MODERATELY CONTAMINATED

×: TERRIBLY CONTAMINATED

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FIG. 8



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FIG. 9

VOLUME RESISTIVITY (Ω·cm) OF SURFACE INSULATING LAYER OF FIXING ROLLER	VOLUME RESISTIVITY (Ω·cm) OF SURFACE RESISTIVE LAYER OF PRESSURE ROLLER	POLARITY OF REVERSE POLARITY TONER	FIRST FIXING BIAS VOLTAGE (V)	SECOND FIXING BIAS VOLTAGE (V)	DEGREE OF CONTAMINATION (O, Δ , \times)
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹² Ω·cm	+	-1000	0	Δ
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹² Ω·cm	+	-1000	+500	0
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹⁷ Ω·cm	+	-1000	+1000	0
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹⁷ Ω·cm	+	-1000	+1000	Δ
$10^{17} \sim 10^{19} \Omega \cdot cm$	10 ¹⁷ Ω·cm	+	-1000	+1600	0
$10^{10} \sim 10^{12} \Omega \cdot cm$	10 ¹² Ω·cm	+	-1000	+1000	Δ
$10^{10} \sim 10^{12} \Omega \cdot cm$	10 ⁷ Ω·cm	+	-1000	+1000	×

O: SLIGHTLY CONTAMINATED

 Δ : MODERATELY CONTAMINATED

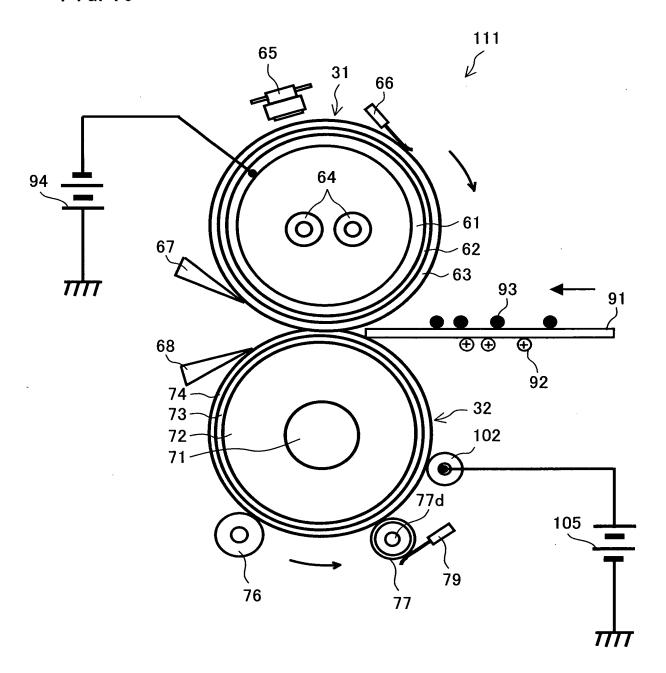
×:TERRIBLY CONTAMINATED

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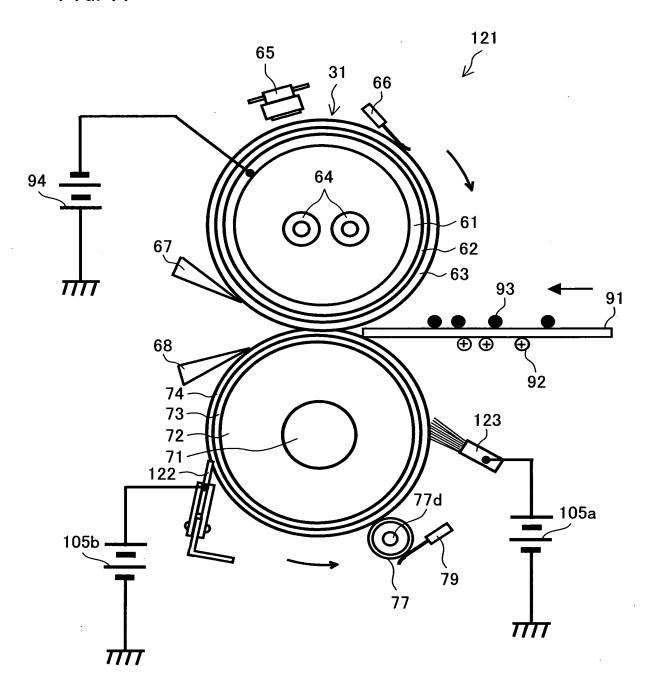
FIG. 10



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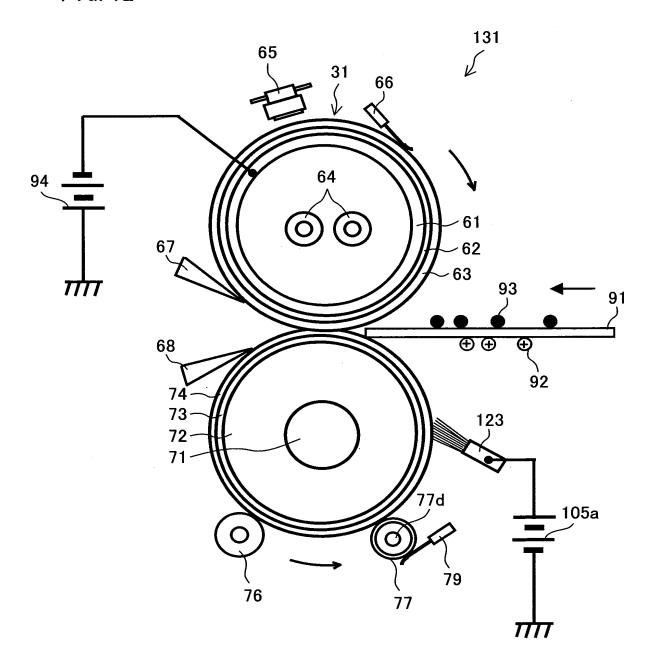
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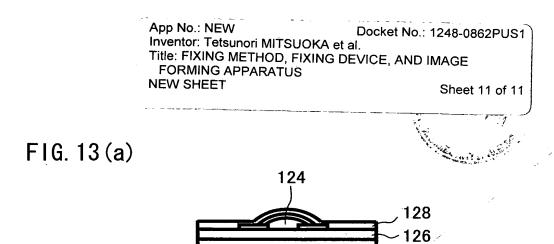
FIG. 11



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FIG. 12





HEAT-RECEIVING SURFACE (SURFACE WHICH IS IN CONTACT WITH ROLLER)

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FIG. 13(b)

